

AMENDMENT(S) TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A video viewing system for viewing a desired video comprising:

a first video group recorded on a first memory device, the first video group having a plurality of first group videos, each of the first group videos having a plurality of sections, and
a second video group recorded on a second memory device, the second video group having a plurality of second group videos, each of the second group videos including selected sections of at least two first group videos produced by editing said first group videos of the first video group such that at least one video section of each of the first group videos is used included in the second video group,

wherein each video of said first video group includes a correlation information stored on the first memory device in association with said each video of said first video group, the correlation information including at least a is specified, whereby frequency-of-use of each section of each first group video ~~the specified video~~ in said second video group ~~is calculated and displayed.~~

2. (Currently Amended) A video viewing system for viewing a desired video comprising:

a first video group recorded on a first memory device, the first video group having a plurality of first group videos, each of the first group videos having a plurality of sections;
a second video group recorded on a second memory device, the second video group having a plurality of second group videos, each of the second group videos including selected sections of at least two first group videos produced by editing said first group videos of the first video group such that at least one video section of each of the first group videos is used included in the second video group; and

a third video group recorded on a third memory device, the third video group having a plurality of third group videos, each of said third group videos including selected videos from

~~produced by editing said second group videos of the second video group such that at least one video of the second group videos is used~~ included in the third video group ~~and such that at least some of said selected sections of the first group videos are included in the third vide group,~~

~~wherein each video of any one video group of said first video group and second video group includes a correlation information stored on a respective memory device in association with said each video of said any one video group, the correlation information including at least a is specified, whereby frequency-of-use of each section of each first group video said specified video in said second or third video group produced by use of the specified video is calculated and displayed.~~

3. (Currently Amended) A video viewing system for viewing a desired video from videos of a first video group, a second video group produced by editing said first video group, and a third video group produced by editing said second video group, the video viewing system comprising:

a first storage unit which stores as to enable retrieval of said first video group, said second video group, and said third video group, ~~such that selected sections of at least two videos one video of the first video group are included being edited for use~~ in the second video group and at least one ~~video section~~ section of the second video group ~~and at least some of the selected sections of the first video group are included being edited for use~~ in the third video group such that the videos of the first, second and third video groups have a series of correlations ~~showing that each section of the third video group correlates to at least one section of said second video group and at least one section of said first video group;~~

a second storage unit which stores as to enable retrieval of mutual correlations obtained from said series of correlations;

a frequency-of-use generation unit which, upon specification of a section video of any one video group of said first video group ~~and or said second video group~~, retrieves a correlation with respect to said specified section video from said second storage unit to generate a frequency-of-use of said specified section video in a particular video of said second or third video

group produced by use of said specified video based on the retrieved correlation, said particular video including said specified section; and

a control unit which displays said frequency-of-use on a display unit.

4. (Canceled)

5. (Currently Amended) The video viewing system according to claim [[4]]
3, wherein said frequency-of-use generation unit comprises:

a retrieval unit which, upon specification of [[a]] the section video of any one video group of said first video group and or said second video group, retrieves correlation information on said specified particular video from said second storage unit to identify a used video section of said specified particular video in said second or third video group produced by use of said specified video; and

a frequency-of-use calculation unit which generates the frequency-of-use of said specified section video in said second or third video group ~~produced by use of said specified video based on said used video section.~~

6. (Currently Amended) The video viewing system according to claim 4, wherein said control unit graphs and displays the frequency-of-use of said specified section video in said second or third video group ~~produced by use of said specified video based on a video section of said specified video.~~

7. (Currently Amended) The video viewing system according to claim 6, wherein said control unit displays a pointer movable in a time axis direction of ~~the video section of~~ said specified section video together with said graphed frequency-of-use, and displays said specified section video from a time position indicated by said pointer when said pointer is operated.

8. (Original) The video viewing system according to claim 3, wherein said control unit sorts and displays said frequency-of-use in any one of ascending order and descending order.

9. (Currently Amended) A video viewing method for viewing a desired video from videos of a first video group, a second video group produced by editing said first video group, and a third video group produced by editing said second video group, the video viewing method comprising steps of:

a) storing as to enable retrieval of said first video group on a first memory device such that said first video includes multiple first group videos each having a plurality of sections, storing as to enable retrieval said second video group on a second memory device such that said second video group includes multiple second group videos each including selected sections of at least two first group videos, and storing as to enable retrieval said third video group on a third memory device such that at least some of said selected sections of the first group videos are included in the third video group;—at least one video of the first video group being edited for use in the second video group and—at least one video of the second video group being edited for use in the third video group such that the videos of the first, second and third video groups have a series of correlations;

b) generating a correlation information such that the correlation information includes at least a frequency-of-use of each section of each first group video in said second or third video group and storing as to enable retrieval of the correlation information, the correlation information being stored on a respective memory device in association with each video of any one video group which is generated from said series of correlations, and shows that each video section correlates to one video section of other video groups for each of said first video group, said second video group, and said third video group;

c) identifying, upon specification of a video of any one video group of said first video group and second video group, retrieving said stored correlation information for said specified video and identifying a used video section of said specified video in said second or third video group produced by use of said specified video based on said retrieved correlation information;

d) generating a frequency-of-use of said specified video in said second or third video group produced by use of said specified video based on said used video section; and

e) displaying said frequency-of-use on a display unit.

10. (Previously Presented) The video viewing method according to claim 9, wherein said step d) further comprises generating said frequency-of-use by identifying a used frame number of said specified video from said used video section, and counting said used frame number in all used video sections in said second or third video group produced by use of said specified video.

11. (Previously Presented) The video viewing method according to claim 9, wherein said step e) further comprises graphing and displaying the frequency-of-use of said specified video in said second or third video group produced by use of said specified video based on a video section of said specified video.

12. (Original) The video viewing method according to claim 11, further comprising: f) displaying a pointer movable in a time axis direction of the video section of said specified video together with said graphed frequency-of-use; and g) displaying said specified video from a time position indicated by said pointer when said pointer is operated.

13. (Currently Amended) A program embodied on a computer-readable medium encoded with computer executable instructions for making a computer run video viewing processing for viewing a desired video from videos of a first video group, a second video group produced by editing said first video group, and a third video group produced by editing said second video group, the instructions program comprising steps of:

an instruction to cause storing as to enable retrieval of said first video group on a first memory device such that said first video includes multiple first group videos each having a plurality of sections, storing as to enable retrieval said second video group on a second memory device such that said second video group includes multiple second group videos each including

selected sections of at least two first group videos, and storing as to enable retrieval said third video group on a third memory device such that at least some of said selected sections of the first group videos are included in the third video group;

an instruction to generate a correlation information such that the correlation information includes at least a frequency-of-use of each section of each first group video in said second or third video group;

~~a step~~ an instruction to cause storing as to enable retrieval of the generated correlation information, the correlation information being stored on a respective memory device in association with each video of any one video group which is generated from a series of correlations showing that at least one video section of the third video group is produced by editing a video section of the second video group and that at least one video section of the second video group is produced by editing a video section of the first video group;

~~a step~~ an instruction to cause retrieving, upon specification of a video of any one video group of said first video group and second video group, correlation information on said specified video, and to identify a used video section of said specified video in said second or third video group produced by use of said specified video based on the retrieved correlation information;

~~a step~~ an instruction to cause generating frequency-of-use of said specified video in said second or third video group produced by use of said specified video based on said used video section; and

~~a step~~ an instruction step to cause displaying said frequency-of-use of said specified video on a display unit.

14. (Currently Amended) A video viewing method for viewing a desired video, the method comprising:

providing a first video group having a plurality of first group videos such that said first video includes multiple first group videos each having a plurality of sections, and storing the first video group on a first memory device; and

providing a second video group having a plurality of second group videos produced by editing said first group videos of the first video group such that each second group video includes

selected sections of at least two first group videos, and storing the second video group on a second memory device; and

calculating and displaying on a display device at least one video of the first group videos is used in the second video group, wherein each video of said first video group is specified, whereby a frequency-of-use of the a specified video in said second video group, the frequency of use of the specified video being based on a frequency-of use of each of said selected sections of said first video group in said second video group is calculated and displayed.

15. (Canceled)

16. (Currently Amended) The video viewing method according to claim 14 ~~±5~~, wherein said used ~~video section is~~ selected sections are identified based on correlation information including at least the frequency-of-use of each section of each first group video in said second video group showing that each video section correlates to one video section of other video groups for each of said first video group and said second video group having a series of correlations that said second video group is produced by editing said first video group.

17. (Original) The video viewing method according to claim 14, wherein the frequency-of-use of said specified video in said second video group is graphed and displayed based on a video section of said specified video.

18. (Currently Amended) The video viewing method according to claim 17, wherein a pointer movable in a time axis direction of the video section of said specified video is displayed together with said graphed frequency-of-use of the specified video, and said specified video is displayed from a time position indicated by said pointer when said pointer is operated.

19. (Currently Amended) The video viewing method according to claim 14, wherein said frequency-of-use of the specified video is sorted and displayed in any one of ascending order and descending order.

20. (Currently Amended) A video viewing method for viewing a desired video, the method comprising:

providing a first video group having a plurality of first group videos such that said first video group includes multiple first group videos each having a plurality of sections, and storing the first video group on a first memory device;

providing a second video group having a plurality of second group videos produced by editing said first group videos of the first video group such that each second group video includes selected sections of at least two first group videos, and storing the second video group on a second memory device at least one video of the first group videos is used in the second video group; and

providing a third video group having a plurality of third group videos produced by editing said second group videos of the second video group such that each third group video includes at least one of the selected sections of the first group videos, and storing the third video group on a third memory device; and

calculating and displaying on a display device a frequency-of-use of a specified video from said second video group or said third video group, the frequency of use of the specified video being based on a frequency-of use of each of said selected sections of said first video group in said second video group and said third video group at least one video of the second group videos is used in the third video group, wherein each video of any one video group of said first video group and second video group is specified, whereby frequency-of-use of said specified video in said second or third video group produced by use of the specified video is calculated and displayed.

21. (Canceled)

22. (Currently Amended) The video viewing method according to claim 20 ~~21~~, wherein said used selected sections are ~~video section~~ is identified based on a correlation information showing that each selected video section of the first group correlates to one video section of other video groups for each of said first video group, said second video group, and said third video group having a series of correlations that said second video group is produced by

editing said first video group, and said third video group is produced by editing said second video group.

23. (Previously Presented) The video viewing method according to claim 20, wherein the frequency-of-use of said specified video in said second or third video group produced by editing said specified video is graphed and displayed based on a video section of said specified video.

24. (Currently Amended) The video viewing method according to claim 23, wherein a pointer movable in a time axis direction of the video section of said specified video is displayed together with said graphed frequency-of-use of said specified video, and said specified video is displayed from a time position indicated by said pointer when said pointer is operated.

25. (Currently Amended) The video viewing method according to claim 20, wherein said frequency-of-use of said specified video is sorted and displayed in any one of ascending order and descending order.

26. (Currently Amended) A video viewing system for viewing a desired video comprising:

a first video group recorded on a first memory device, the first video group having a plurality of first group videos, each of the first group videos having a plurality of sections; and
a second video group recorded on a second memory device, the second video group having a plurality of second group videos produced by editing said first group videos of the first video group such that each of the second group videos includes selected sections of at least two first group videos at least one video of the first group videos is used in the second video group;[[,]]
a processor operable to calculate a frequency-of-use of each of the first group videos based on a wherein frequency-of-use of each of said sections of the first group videos of the first video group in said second video group; and

a display device operable to display the is calculated frequency-of-use of each of said first group videos and displayed.

27. (Currently Amended) A video viewing system for viewing a desired video comprising:

a first video group recorded on a first memory device, the first video group having a plurality of first group videos, each of the first group videos having a plurality of sections; and
a second video group recorded on a second memory device, the second video group having a plurality of second group videos produced by editing said first group videos of the first video group such that each of the second group videos includes selected sections of at least two first group videos at least one video of the first group videos is used in the second video group[[.]];
a processor operable to determine a correlation between a predetermined video of one of the first group and the second group and videos of the other of the first group and the second group, said correlation being based on a frequency-of-use of said sections of the first group videos in wherein a correlation between said first video group and said second video group; and
a display device operable to display the is analyzed from a predetermined video; and
frequency-of-use of said sections of the first group videos of the first video group in said second video group is calculated and displayed.

28. (Currently Amended) A video viewing system comprising:
a first video group recorded on a first memory device, the first video group having a plurality of first group videos, each of the first group videos having a plurality of sections; and
a second video group recorded on a second memory device, the second video group having a plurality of second group videos produced by editing said first group videos of the first video group such that each of the second group videos includes selected sections of at least two first group videos at least one video of the first group videos is used in the second video group,
wherein at least one video selected from said first group videos and said second group videos is specified, whereby frequency-of-use of the specified video in other video groups is calculated and displayed.

29. (Currently Amended) A video viewing system comprising:

a first video group recorded on a first memory device, the first video group having a plurality of first group videos, each of the first group videos having a plurality of sections;
a second video group recorded on a second memory device, the second video group having a plurality of second group videos produced by editing said first group videos of the first video group such that each of the second group videos includes selected sections of at least two first group videos at least one video of the first group videos is used in the second video group; and
a third video group recorded on a third memory device, the third video group having a plurality of third group videos produced by editing said second group videos of the second video group such that each third group video includes at least one of the selected sections of the first group videos at least one video of the second group videos is used in the third video group, wherein at least one video selected from said first group videos, said second group videos and said third group of videos is specified, whereby frequency-of-use of said specified video in other video groups having a correlation with the specified video is calculated and displayed.

30. (Currently Amended) A video viewing system for viewing a desired video from a plurality of videos, comprising:

a first storage unit which stores as to enable retrieval of a plurality of video groups having a hierarchy and a series of correlations reflecting that at least one video of one video group is edited to produce a video of a next video group in the hierarchy such that each of the next group's videos includes selected sections of at least two videos of said one video group;

a second storage unit which stores as to enable retrieval of mutual correlations obtained from said series of correlations;

a frequency-of-use generation unit which, upon specification of a video of any one video group of said plurality of video groups, retrieves a correlation with respect to said specified video from said second storage unit to generate frequency-of-use of said specified video in other video groups based on the retrieved correlation; and

a control unit which displays said frequency-of-use on a display unit.

31. (Original) The video viewing system according to claim 30, wherein said second storage unit stores as to enable retrieval of correlation information showing that each video section correlates to one video section of other video groups for each of said plurality of video groups.

32. (Original) The video viewing system according to claim 31, wherein said frequency-of-use generation unit comprises:

- a retrieval unit which, upon specification of a video of any one video group of said plurality of video groups, retrieves correlation information on said specified video from said second storage section to identify a used video section in other video groups of said specified video; and
- a frequency-of-use calculation unit which generates the frequency-of-use of said specified video in said other video groups based on said used video section.

33. (Original) The video viewing system according to claim 31, wherein said control unit graphs and displays the frequency-of-use of said specified video in said other video groups based on a video section of said specified video.

34. (Original) The video viewing system according to claim 33, wherein said control unit displays a pointer movable in a time axis direction of the video section of said specified video together with said graphed frequency-of-use, and displays said specified video from a time position indicated by said pointer when said pointer is operated.

35. (Original) The video viewing system according to claim 30, wherein said control unit sorts and displays said frequency-of-use in any one of ascending order and descending order.

36. (Currently Amended) A video viewing method for viewing a desired video from a plurality of videos comprising steps of:

a) generating a plurality of video groups such that selected sections of at least two videos of one video group are included in videos of a next video group, storing as to enable retrieval of a the plurality of video groups having a hierarchy and a series of correlations reflecting that selected sections at least one video of one video group is are edited to produce a video of [[a]] the next video group in the hierarchy, and storing the generated plurality of video groups together with the hierarchy on a memory device;

b) storing on the memory device so as to enable retrieval of correlation information which is generated from said series of correlations and shows that each video section correlates to one video section of other video groups for each of said plurality of video groups;

c) retrieving, upon specification of a video of any one video group of said plurality of video groups, correlation information on said specified video to identify a used video section in other video groups of said specified video;

d) generating frequency-of-use of said specified video in said other video groups based on said used video section; and

e) displaying said frequency-of-use on a display unit.

37. (Previously Presented) The video viewing method according to claim 36, wherein said step d) further comprises generating said frequency-of-use by identifying a used frame number of said specified video from said used video section, and counting said used frame number in all used video sections in said other video groups.

38. (Previously Presented) The video viewing method according to claim 36, wherein said step e) further comprises graphing and displaying the frequency-of-use of said specified video in said other video groups based on a video section of said specified video.

39. (Original) The video viewing method according to claim 38, further comprising:

f) displaying a pointer movable in a time axis direction of the video section of said specified video together with said graphed frequency-of-use; and

g) displaying said specified video from a time position indicated by said pointer when said pointer is operated.

40. (Currently Amended) A computer program embodied on a computer-readable medium encoded with computer executable instructions for making a computer run video viewing processing for viewing a desired video from a plurality of video groups having a hierarchy and a series of correlations reflecting that selected sections of at least two videos one video of one video group are is edited to produce a video of a next video group in the hierarchy, the computer program instructions comprising steps of:

an instruction a-step to cause storing as to enable retrieval of correlation information which is generated from said series of correlations and which shows that each video section of videos of the one video group correlates to one video section of the other video groups for each of said plurality of video groups;

an instruction a-step to cause retrieving, upon specification of a video of any one video group of said plurality of video groups, correlation information on said specified video to identify a used video section in other video groups of said specified video;

an instruction a-step to cause generating frequency-of-use of said specified video in said other video groups based on said used video section; and

an instruction a-step to cause displaying said frequency-of-use on a display unit.

41. (Currently Amended) A video viewing method for viewing a desired video from a plurality of videos, the method comprising:

providing a hierarchy of video groups, each video group of said hierarchy having a plurality of group videos, group videos of one video group being produced by editing videos of previous video group in the hierarchy such that selected sections of at least two videos of the previous video group are included in videos of the one video group, and storing said previous video group, said one video group and said hierarchy on a memory device of a general purpose computer; and

specifying for at least one video of one of the video groups, calculating such that a frequency-of-use of the at least one specified video in other video groups is calculated and displaying said calculated frequency-of-use on a display device displayed.

42. (Currently Amended) The video viewing method according to claim 41, wherein the frequency-of-use of said at least one specified video in said other video groups is calculated based on a used video section in other video groups of said specified video.

43. (Original) The video viewing method according to claim 42, wherein said used video section is identified based on correlation information showing that each video section correlates to one video section of other video groups for each of a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a video of the next video group.

44. (Currently Amended) The video viewing method according to claim 41, wherein the frequency-of-use of said at least one specified video in said other video groups is graphed and displayed based on a video section of said specified video.

45. (Currently Amended) The video viewing method according to claim 44, wherein a pointer movable in a time axis direction of the video section of said at least one specified video is displayed together with said graphed frequency-of-use, and said at least one specified video is displayed from a time position indicated by said pointer when said pointer is operated.

46. (Original) The video viewing method according to claim 41, wherein said frequency-of-use is sorted and displayed in any one of ascending order and descending order.

47. (Currently Amended) A video viewing method for viewing a desired video from a plurality of videos, the method comprising:

providing a first video group having a plurality of first group videos such that said first video group includes multiple first group videos each having a plurality of sections, and storing the first video group on a first memory device;

providing a second video group having a plurality of second group videos produced by editing said first group videos of said first video group such that each second group video includes selected sections of at least two first group videos, and storing the second video group on a second memory device;

providing a third video group having a plurality of third group videos produced by editing said second group videos of said second video group such that each third group video includes at least one of the selected sections of the first group videos, and storing the third video group on a third memory device; and

specifying at least one video from said first video group, said second video group and said third video group such that a frequency-of-use of said specified video in other video groups having a correlation with the specified video is calculated and displayed.

48. (Original) The video viewing method according to claim 47, wherein frequency-of-use of said specified video in said other video groups is calculated based on a used video section in other video groups of said specified video.

49. (Original) The video viewing method according to claim 48, wherein said used video section is identified based on correlation information showing that each video section correlates to one video section of other video groups for each of a plurality of video groups having a series of correlations that at least one video of one video group is used to produce a video of the next video group.

50. (Original) The video viewing method according to claim 47, wherein frequency-of-use of said specified video in said other video groups is graphed and displayed based on a video section of said specified video.

51. (Original) The video viewing method according to claim 50, wherein a pointer movable in a time axis direction of the video section of said specified video is displayed together with said graphed frequency-of-use, and said specified video is displayed from a time position indicated by said pointer when said pointer is operated.

52. (Original) The video viewing method according to claim 47, wherein said frequency-of-use is sorted and displayed in any one of ascending order and descending order.